

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121821\
 Data File : VN070206.D
 Acq On : 18 Dec 2021 11:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2021
 Supervised By : Mahesh Dadoda 12/24/2021

Quant Time: Dec 19 08:42:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.083	168	950001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1514019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1430266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	634439	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	673489	45.92	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.84%		
35) Dibromofluoromethane	8.021	113	464823	49.01	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.02%		
50) Toluene-d8	10.440	98	1834155	48.17	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.34%		
62) 4-Bromofluorobenzene	12.731	95	712248	51.63	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.26%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	483806	43.66	ug/l	99
3) Chloromethane	2.303	50	598367	43.11	ug/l	100
4) Vinyl Chloride	2.445	62	575325	45.07	ug/l	99
5) Bromomethane	2.837	94	313467	45.20	ug/l	98
6) Chloroethane	3.009	64	356077	45.52	ug/l	97
7) Trichlorofluoromethane	3.371	101	760234	45.38	ug/l	96
8) Diethyl Ether	3.821	74	343803	53.29	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.205	101	496881	52.91	ug/l	97
10) Methyl Iodide	4.417	142	618104	48.18	ug/l	99
11) Tert butyl alcohol	5.377	59	659635	237.91	ug/l	98
12) 1,1-Dichloroethene	4.175	96	447600	49.46	ug/l	88
13) Acrolein	4.038	56	525953	222.76	ug/l	99
14) Allyl chloride	4.838	41	1089139	53.41	ug/l	90
15) Acrylonitrile	5.554	53	1876374	251.15	ug/l	99
16) Acetone	4.285	43	2221814	251.81	ug/l	97
17) Carbon Disulfide	4.524	76	1015144	43.42	ug/l	99
18) Methyl Acetate	4.854	43	1307154	49.08	ug/l	92
19) Methyl tert-butyl Ether	5.615	73	1920776	54.59	ug/l	97
20) Methylene Chloride	5.092	84	568952	48.50	ug/l #	86
21) trans-1,2-Dichloroethene	5.594	96	481560	48.99	ug/l	85
22) Diisopropyl ether	6.498	45	2251549	56.49	ug/l	91
23) Vinyl Acetate	6.433	43	8990744	277.28	ug/l #	94
24) 1,1-Dichloroethane	6.385	63	1098970	53.23	ug/l	99
25) 2-Butanone	7.335	43	2995138	249.83	ug/l	91
26) 2,2-Dichloropropane	7.324	77	906145	56.45	ug/l	96
27) cis-1,2-Dichloroethene	7.321	96	604769	50.93	ug/l	84
28) Bromochloromethane	7.656	49	521915	48.61	ug/l #	76
29) Tetrahydrofuran	7.683	42	1788417	245.67	ug/l	87
30) Chloroform	7.817	83	1091257	52.34	ug/l	98
31) Cyclohexane	8.094	56	987369	48.37	ug/l	87
32) 1,1,1-Trichloroethane	8.013	97	919754	51.79	ug/l	96
36) 1,1-Dichloropropene	8.220	75	783016	54.33	ug/l	96
37) Ethyl Acetate	7.412	43	1088095	50.72	ug/l	96
38) Carbon Tetrachloride	8.206	117	744863	52.70	ug/l	100
39) Methylcyclohexane	9.459	83	925060	53.96	ug/l	89
40) Benzene	8.458	78	2349395	53.33	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	572285	56.83	ug/l #	88
42) 1,2-Dichloroethane	8.528	62	945871	53.19	ug/l	97
43) Isopropyl Acetate	8.560	43	1740972	54.84	ug/l #	94
44) Trichloroethene	9.215	130	558316	53.10	ug/l	91
45) 1,2-Dichloropropane	9.491	63	671019	56.72	ug/l	99
46) Dibromomethane	9.577	93	410242	52.87	ug/l	94
47) Bromodichloromethane	9.762	83	849983	57.86	ug/l	99
48) Methyl methacrylate	9.558	41	816006	55.08	ug/l	83
49) 1,4-Dioxane	9.569	88	274340	1032.04	ug/l #	82
51) 4-Methyl-2-Pentanone	10.330	43	5712908	277.41	ug/l	96
52) Toluene	10.505	92	1469007	54.62	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	923978	52.16	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	1001291	53.83	ug/l	91
55) 1,1,2-Trichloroethane	10.899	97	606108	55.85	ug/l	97
56) Ethyl methacrylate	10.759	69	1055447	51.47	ug/l #	88
57) 1,3-Dichloropropane	11.044	76	1068806	55.93	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1613985	288.80	ug/l	90
59) 2-Hexanone	11.084	43	4330445	277.97	ug/l	94
60) Dibromochloromethane	11.237	129	599877	51.52	ug/l	99
61) 1,2-Dibromoethane	11.344	107	609847	54.26	ug/l	100
64) Tetrachloroethene	10.977	164	501077	51.67	ug/l	95
65) Chlorobenzene	11.771	112	1573972	54.25	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	570548	55.87	ug/l	99
67) Ethyl Benzene	11.843	91	2971386	56.38	ug/l	95
68) m/p-Xylenes	11.953	106	2177295	113.45	ug/l	92
69) o-Xylene	12.280	106	1095533	56.67	ug/l	92
70) Styrene	12.294	104	1822454	59.46	ug/l	95
71) Bromoform	12.457	173	438890	50.23	ug/l #	99
73) Isopropylbenzene	12.578	105	2929342	51.90	ug/l	99
74) N-amyl acetate	12.387	43	1373541	55.02	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	970486	49.72	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	836264m	45.96	ug/l	
77) Bromobenzene	12.859	156	668006	50.38	ug/l	76
78) n-propylbenzene	12.918	91	3405010	54.21	ug/l	96
79) 2-Chlorotoluene	13.007	91	2086593	52.57	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	2406113	52.96	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.623	75	280452	50.41	ug/l	96
82) 4-Chlorotoluene	13.104	91	2021709	54.16	ug/l	92
83) tert-Butylbenzene	13.323	119	2093864	52.05	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	2355402	54.44	ug/l	97
85) sec-Butylbenzene	13.500	105	2982701	54.66	ug/l	97
86) p-Isopropyltoluene	13.616	119	2397527	56.21	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	1163599	53.42	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	1126729	52.64	ug/l	97
89) n-Butylbenzene	13.943	91	2021226	58.42	ug/l	97
90) Hexachloroethane	14.211	117	391410	52.27	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	1110447	52.32	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	179458	50.88	ug/l	77
93) 1,2,4-Trichlorobenzene	15.262	180	571155	54.59	ug/l	98
94) Hexachlorobutadiene	15.370	225	323474	57.51	ug/l	99
95) Naphthalene	15.504	128	1605438	51.64	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	565210	55.44	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

